

**To:** Berry, Laura[berry.laura@epa.gov]; Patulski, Meg[patulski.meg@epa.gov]; Dubey, Susmita[dubey.susmita@epa.gov]  
**Cc:** Jackson, Scott[Jackson.Scott@epa.gov]; Odendahl, Steve[Odendahl.Steve@epa.gov]; Denawa, Mai[Denawa.Mai@epa.gov]; Dresser, Chris[Dresser.Chris@epa.gov]; Anderson, Carol[Anderson.Carol@epa.gov]; Schuller, Jennifer[Schuller.Jennifer@epa.gov]; Rickard, Joshua[Rickard.Joshua@epa.gov]  
**From:** Russ, Timothy  
**Sent:** Fri 11/18/2016 6:26:15 PM  
**Subject:** FW: Revised DRAFT Information for Transmittal to FHWA Regarding the I-70 East Project

Hi Everyone,

## Ex. 5 - Deliberative Process

Please see what you all think and thanks for your assistance!

Tim

Tim Russ  
Environmental Scientist  
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**From:** Berry, Laura

**Sent:** Friday, November 18, 2016 9:46 AM

**To:** Russ, Timothy <[Russ.Tim@epa.gov](mailto:Russ.Tim@epa.gov)>; Patulski, Meg <[patulski.meg@epa.gov](mailto:patulski.meg@epa.gov)>; Dubey, Susmita <[dubey.susmita@epa.gov](mailto:dubey.susmita@epa.gov)>

**Cc:** Odendahl, Steve <[Odendahl.Steve@epa.gov](mailto:Odendahl.Steve@epa.gov)>; Denawa, Mai <[Denawa.Mai@epa.gov](mailto:Denawa.Mai@epa.gov)>; Dresser, Chris <[Dresser.Chris@epa.gov](mailto:Dresser.Chris@epa.gov)>; Anderson, Carol <[Anderson.Carol@epa.gov](mailto:Anderson.Carol@epa.gov)>; Schuller, Jennifer <[Schuller.Jennifer@epa.gov](mailto:Schuller.Jennifer@epa.gov)>; Jackson, Scott <[Jackson.Scott@epa.gov](mailto:Jackson.Scott@epa.gov)>; Rickard, Joshua <[Rickard.Joshua@epa.gov](mailto:Rickard.Joshua@epa.gov)>

**Subject:** RE: Revised DRAFT Information for Transmittal to FHWA Regarding the I-70 East Project

Hi Tim,

## Ex. 5 - Deliberative Process

Thanks,

*Laura Berry*

(734) 214-4858

[berry.laura@epa.gov](mailto:berry.laura@epa.gov)

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# Ex. 5 - Deliberative Process

## **La Casa (CASA)**

Region: Denver

Monitoring Station

4545 Navajo Street

SAROAD:

AQS ID: 080310026

Latitude: 39.779460

Longitude: -105.005124

Reporting capabilities (hourly)

SLAMS: CO, PM10, PM2.5

NAMS: O3, SO2

SPM: NO, RD, RS, TEMP, WD, WS

EPA's November, 2015 PM Hot-spot modeling guidance ("Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM<sub>2.5</sub> and PM<sub>10</sub> Nonattainment and

Maintenance Areas”) notes the following in section 9.3.4 *24-hour PM<sub>10</sub> NAAQS*:

#### Calculating Design Values and Determining Conformity

The 24-hour PM<sub>10</sub> design value is calculated at each receptor by directly adding the sixth-highest modeled 24-hour concentrations (if using five years of meteorological data) to the appropriate monitor value for the 24-hour background concentration from three years of monitoring data, based on Exhibit 9-6.<sup>153</sup> Exhibit 9-6: Monitor Value Used for Design Value Calculation

Number of Background Concentration Values from the Monitor	Monitor Value Used for Design Value Calculation
< 347	Highest Monitor Value
348 -695	Second Highest Value
696 -1042	Third Highest Value
1043 -1096	Fourth Highest Value

**PM<sub>10</sub>** data from the La Casa monitoring site are provided in the table below:

#### **POC 1 1 in 3 Sampler**

Year	N	Highest value	2 <sup>nd</sup> highest	3 <sup>rd</sup> highest	4 <sup>th</sup> highest
2015	119	55	48	44	43
2014	127	66	65	62	62
2013	122	81	73	56	45

“N” = the number of days of valid data recovery.

**NOTE:** There are actually three PM<sub>10</sub> monitors co-located at the La Casa monitoring location. POC#1 is a “1 in 3” sampler and takes a sample every 3<sup>rd</sup> day; it is our understanding that this is the primary monitor as so designated by CDPHE. POC#2 is a “1 in 6” sampler and takes a sample every 6<sup>th</sup> day and POC#3 is a continuous monitor and samples every day.

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Please let us know if there are any questions.

Thanks!

Tim

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